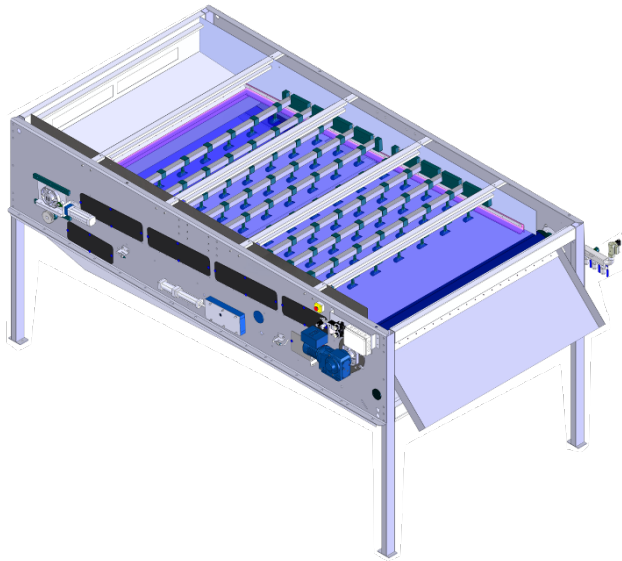




DEWA BTN "HEAVY DUTY"
GRAVITY BELT THICKENER



DEWA BTN "HEAVY DUTY" GRAVITY BELT THICKENER



The DEWA BTN Gravity Belt Thickener is a fully enclosed system, designed to increase the dry solid concentration of the feed sludge considerably. Enclosed construction enables odor containment within the unit, simplifying odor extraction by the ventilation pipe located on the top of the cover. This advanced and sophisticated design concept creates a clean and odor-free environment.

Electrical and pneumatic components as well as bearings are located outside of the thickener unit frame, which makes it easy to maintain and observe. Another unique feature of the BTN is that it can be interconnected with DEWA Belt Filter Presses as a combined sludge dewatering unit for high dewatering volumes.

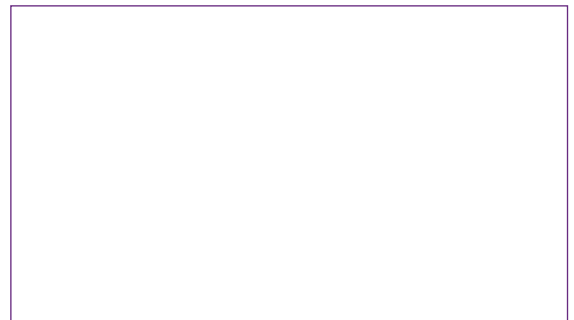
Specially designed ploughs enable the opening and turning of the sludge mat and penetration of for excess water. The transverse beams located underneath of the belt provide downward pressure for improved water removal and prevents formation of surface tension. High quality stainless steel material and components make the BTN Belt Thickener robust and reliable

BTN CAPACITY AND DIMENSION TABLE

MODEL	BTN1020	BTN1035	BTN1535	BTN2035	BTN2535	BTN3035
Belt width, mm	1100	1100	1600	2100	2600	3100
Effective filtrate area, m ²	2,0	3,5	5,3	7,0	8,8	10,5
Sludge flow, m ³ /h	5-20	10-30	15-45	20-60	30-80	40-100
DS capacity, kg DS/h	300	300-500	450-750	600-1000	900-1500	1200-1200
Length, mm	2700	4500	4500	4500	4500	4500
Width, mm	1900	1900	2400	2950	3450	3950
Height, mm	1600	1600	1600	1600	1600	1600
Weight, kg	750	1100	1350	1600	1800	2000
Power, kW	0,37	0,37	0,37	0,55	0,55	0,75

Key Features

- Fully enclosed and compact design
- Low energy consumption
- Capacity for high sludge volumes
- Alternative configuration possibilities
- Rigid, non-corrosive frame construction
- Fully automated operation
- Low spare part requirement



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